

**Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently amended)        A device for producing a fluid containing a radioactive constituent, the device comprising: a shielded chamber within which is located an isotope container housing a radioactive isotope, the shielded chamber including first and second fluid connections to opposing ends of the isotope container and a fluid conduit extending from each of the first and second fluid connections to a fluid inlet and a fluid outlet respectively characterised in that the fluid inlet comprises a single spike comprising a spike body having a substantially circular cross-section, the spike body being adapted to penetrate the rubber seal of a vial and wherein the spike body ~~having two bores, the~~ further defines a first bore extending from a first aperture adjacent the tip of the spike to a fluid connection with the fluid conduit and ~~the~~ a second bore extending from a second, separate aperture in the spike body to a filtering air inlet, wherein the spike body incorporates a barrier filter in the second bore.

2. (Original)    A device as claimed in claim 1 further comprising an outer housing which supports the fluid inlet and the fluid outlet and the spike of the fluid inlet projects through an aperture in the outer housing.

3. (Original)    A device as claimed in claim 2, wherein the outer housing defines a well about the aperture through which the spike projects, the well being structured to receive a vial.

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4. (Currently amended) A device as claimed in claim 1, wherein the barrier filter  
comprises filtering air inlet contains a filter disk of polytetrafluoroethylene.

5. (New) A device as claimed in claim 1, wherein the filter is positioned in the second  
bore adjacent to the filtering air inlet.